

551,892

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau(43) International Publication Date  
21 October 2004 (21.10.2004)

PCT

(10) International Publication Number  
**WO 2004/091241 A1**(51) International Patent Classification<sup>7</sup>: **H04Q 7/38**(21) International Application Number:  
PCT/EP2004/003564

(22) International Filing Date: 3 April 2004 (03.04.2004)

(25) Filing Language: English

(26) Publication Language: English

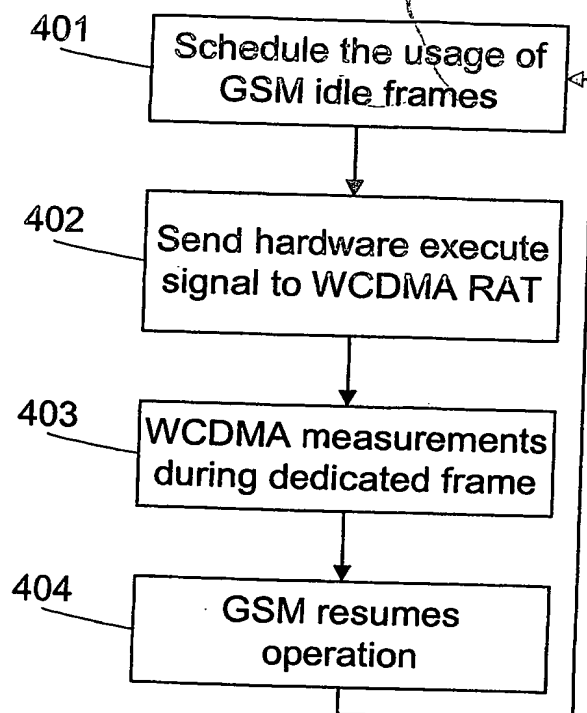
(30) Priority Data:  
03008439.6 11 April 2003 (11.04.2003) EP  
60/462,005 11 April 2003 (11.04.2003) US(71) Applicant (for all designated States except US): TELE-  
FONAKTIEBOLAGET LM ERICSSON (publ)  
[SE/SE]; S-164 83 Stockholm (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): PALENIUS, Torgny  
[SE/SE]; Skepparevägen 37, S-246 57 Barsebäck (SE).  
HOKFELT, Johan [SE/SE]; Korsgatan 7 B, S-223 53  
Lund (SE). ÖSTBERG, Christer [SE/SE]; Björkvägen8, S-245 55 Staffanstorps (SE). WICHERT, Jan [SE/SE];  
Kornettsgatan 5, S-211 50 Malmö (SE). NILSSON,  
Mikael [SE/SE]; Sommarlovsvägen 6, S-224 67 Lund  
(SE). EWALD, Richard [SE/SE]; Lagerbrings Väg 7  
B, S-224 60 Lund (SE). OLOFSSON, Patrik [SE/SE];  
Holländarevägen 20, S-236 34 Höllviken (SE). PALM,  
Håkan [SE/SE]; Flygelvägen 101, S-224 72 Lund (SE).(74) Agent: NILSSON, Jan; Ström & Gulliksson IPC AB, P.O.  
Box 793, S-220 07 Lund (SE).(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR WIRELESS INTERSYSTEM HANDOVER

(57) Abstract: A method and apparatus for measurement event  
synchronisation of a portable radio communication apparatus  
(100) providing multiple radio access technologies, wherein  
an idle gap is identified between transceiver activities of a first  
radio access technology device (103) (410), and an execute  
signal is sent to a second radio access technology device (101)  
for initiating inter radio access technology measurements of the  
second radio access technology device (101), to be performed  
during the gap (402, 402c, 403).

WO 2004/091241 A1



GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*